MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, LEBANON

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

March 1948

ROBERT W. SLOANE, DIRECTOR

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WEATHER BUREAU

MARCH 1948

METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude 700 mm. + ...				Thermometer Degrees Centigrade					
	8.30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	67.7	67.4	67.7	67.6	12.2	6.2	10.5	11.1	7.7	9.8
2	5.7	3.6	3.2	4.2	15.0	8 3	11.7	13.9	10.6	12.1
3	1.8	1.2	1.4	1.5	15.4	8.9	12.8	14.4	10.7	12.6
4	58.7	56.7	56.1	7.2	16.1	7.3	12.9	15.5	10.2	12.9
5	6.3	7.0	8.1	57.1	16.2	6.8	9.9	13.9	10.7	11.5
6	58.4	59.0	60.7	59.4	15.3	9.6	11.1	13.9	10.9	12.0
7	62.6	62.4	3.5	62.8	16.2	9.4	13.8	15.5	10.6	13.3
8	2.9	1.9	2.1	2.3	17.0	7.8	12.8	15.9	11.1	13.3
9	1.1	0 3	1.3	0.9	14.4	8.2	9.9	10.5	9.5	10.0
10	4.0	4.5	5.7	4.7	16.2	10.0	11.9	15.6	11.6	13.0
11	65.6	63.5	63.0	64.0	17.4	10.8	14.2	16.7	12.3	14.4
12	0.9	0.4	1.0	0.8	18.0	11.1	15.6	16.7	12.3	14.9
13	0.9	59.9	0.0	0.3	15.4	10.8	14.4	12.6	11.5	12.7
14	59.7	8.9	0.3	59.6	16.0	8.4	13.5	15.4	11.6	13.5
15	9.4	8.8	59.1	9.1	12.7	6.8	10.9	9.4	7.2	9 2
16	60 3	63.5	67.4	63.7	13.3	7.8	7.2	10.5	8.3	8.7
17	7.7	6.5	6.1	6.8	17.0	10.0	13.4	15.5	12.4	13.8
18	4.0	2.1	0.4	2.2	16.7	10.4	12.3	15.6	13.8	13.9
19	4.1	4.6	5.8	4.8	17.4	9.3	15.0	16.6	11.1	14.2
20	5.7	2.9	1.2	3.3	18.0	12.2	15.4	17.2	12.7	15.1
21	60.3	59.3	60.0	59.9	20.2	12.9	17.8	18.3	15.6	17.2
22	59.0	8.2	57.5	8.2	21.2	14.2	18.5	20.2	16.9	18.5
23	9.6	60.0	61.7	60.4	16.6	10.6	14.3	12.2	11.7	12.7
24	65.0	4.6	5.5	5.0	20.0	12.5	16.7	19.1	14.3	16.7
25	4.8	3.3	3.4	3.8	20.4	13.1	16.8	17.7	15.6	16.7
26	62.9	62.6	63.8	63.1	19.5	11.8	16.8	18.1	14.0	16.3
27	4.8	3.3	3.5	3.9	18.1	12.8	14.9	16.2	14.4	15.2
28	59.4	55.3	51.8	55.5	27.4	13.3	18.0	22.1	23.9	21.3
29	8.8	9.1	9.6	9.2	17.8	8.7	15.5	14.9	11.1	13.8
30	7.8	7.9	60.2	8.6	13.2	10.6	9.9	11.6	10.6	10.7
31	63.6	64.2	6.4	64.7	18.0	10.4	11.7	16.8	11.7	13.4
	62.05	61.38	61.85	61.76	17.04	10.01	13.55	15.28	12.15	13.66

Barometer, range for month 767.7 — 751.8 mm.
,, 71-yr. average for month 761.187 mm.
Thermometer, range for month 27.4° — 6.2°C
,, 71-yr. average for month 16.16 °C.
Rain, total for month 199.88 mm.
,, 7-1r. average for month 92.54 mm.
,, Tolal, Sept. 1st. to end of month 1046.99 mm.
71-yr. average, Sept. 1st. to end of month 814.84 mm.

MARCH 1948

METEOROLOGICAL REGISTER

Date	Pressure of Water Vapor Millibars				Relative Humidity per cent.				Sun.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	9.2	8.3	7.3	8.3	72	64	70	69	5.4	565.0	0.25
2	8.3	9.6	8.8	8.9	61	62	70	64	10.2	336.0	
3	10.1	14.4	8.8	11.1	68	88	70	75	8.7	283.0	
4	10.1	11.6	11.8	11.2	70	65	97	77	7.9	293.0	0.25
5	10.5	12.4	10.9	11.3	89	79	86	85	6.0	312.0	8.38
6	10.5	11.9	11.4	11.3	81	76	85	81	4.0	322.0	6.86
7	11.9	13.5	11.8	12.4	75	77	93	82	6.9	444.0	6.60
8	11.9	13.1	10.1	11.7	79	72	78	76	6.6	367.0	1.02
9	11.8	12.3	11.8	12.0	97	96	99	97	2.0	418.0	16.00
10	11.4	13.5	10.9	11.9	84	77	80	80	6.5	208.0	9.14
11	12.9	14.7	12.3	13.3	78	77	87	81	4.5	243.0	
12	13.5	14.7	11.4	13.2	77	77	80	78	3.9	348.0	
13	12.9	13.8	13.2	13.3	78	95	97	90	0.1	370.0	16.76
14	11.4	13.0	10.9	11.8	75	73	80	76	0.8	781.0	19.31
15	11.4	11.8	9.8	11.0	86	99	97	94	0.2	755.0	19.05
16	9.4	9.2	8.5	9.0	90	73	75	79	2.8	748.0	0.76
17	11.4	13.5	12.8	12.6	75	78	91	81	3.4	805.0	3.05
18	14.2	14.5	14.9	14.5	99	82	95	92	0.3	1093.0	50.04
19	12.0	12.6	10.9	11.8	71	67	82	73	9.0	161.0	11.43
20	11.6	13.2	11.9	12.2	67	67	80	71	8.8	322.0	
21	12.8	18.8	16.1	15.9	63	88	90	80	8.3	451.0	
22	16.5	19.2	13.6	16.4	79	81	72	77	8.2	330.0	
23	14.9	14.2	11.9	13.7	89	99	85	91	2.1	494.0	7.87
24	15.7	17.8	15.4	16 3	83	81	95	86	8.0	483.0	0.25
25	14.7	15.9	14.5	15.0	76	79	81	79	3.1	632.0	
26	16.3	16.4	12.4	15.0	85	80	79	81	4.0	539.0	2.03
27	13.0	14.1	13.4	13.5	75	77	83	78	3.1	446.0	
28	17.0	22.2	25.5	21.6	82	82	86	83	2.9	460.0	
29	14.0	11.5	13.2	12.9	79	70	99	83	4.4	764.0	2.04
30	10.5	10.1	10.1	10.2	88	73	79	80	0.3	634.0	17.27
31	12.8	12.1	109	11.9	93	65	79	79	9.7	251.0	1.52
	12.40	13.67	12.17	12.75	79.5	78.0	84.5	80.6	4.90	472.84	6.447

Height of Barometer above sea level: 33.7 meters.

„ „ Thermometers above ground:

Dry and wet 1.55 m ; Max. 1.75 m.; Min. 1.70 m.

Rim of Rain Gauge: above ground 0.56 m ; above sea level 30.31 m.

Time of reading minus 2 hours equal G.C.T.

7 year averages are for period, 1875-1945

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METEOROLOGICAL REGISTER

Date	Clouds Clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8.30	14:30	20:30	Mean	8:30	14:30	20:30		
1	7cu	8cu	0	5.0	1se	3ne	1ne	slight	
2	0	0	0	0.0	1se	1n	0	,,	
3	0	4ci	0	1.3	0	2n	1n	,,	
4	1ci	6cu	10cu-ni	5.7	1se	2n	1sw	,,	
5	10cu-ni	3cu	1cu	4.7	3ne	2nw	1nw	,,	Snow fall on hills.
6	1cu	9ni	10cu	6.7	1s	3sw	1sw	mod.	
7	1cu	7cu	5cu	4.3	1se	3ne	1ne	slight	
8	9cu	1cu	1cu	3.7	1nw	1w	1w	,,	
9	5cu-ni	10ni	10ni	8.3	1sw	2sw	2sw	,,	
10	1cu	1cu	1cu	1.0	1se	1sw	0	,,	
11	0	2cu	3cu	1.7	1se	1nw	0	slight	
12	0	7cu	2cu	3.0	1ne	1ne	1ne	light	
13	9cu-ni	10ni	10ni	9.7	1sw	1sw	1sw	slight	
14	4cu	9cu-ni	4cu	5.7	3w	3sw	3sw	mod	
15	10cu-ni	10ni	6cun-i	8.7	2sw	2sw	2sw	,,	Hale at night
16	10ni	9cu	0	6.3	2nw	3nw	3nw	rough	
17	1cu	8cu-ni	6cu-ni	5.0	1sw	4sw	5sw	,,	
18	10ni	10cu-ni	10cu-ni	10.0	3sw	5sw	5sw	,,	
19	0	0	0	0.0	1se	1nw	0	slight	
20	0	0	4cu	1.3	1se	1nw	1sw	light	
21	3ci	2ci	0	1.7	1sw	1ne	2ne	light	
22	0	2cu-ci	2cu	1.3	1ne	1ne	0	,,	
23	10cu	10ni	2cu	7.3	2sw	1sw	1sw	slight	T. a.m.
24	1cu	0	1cu	0.7	1sw	2sw	1sw	,,	
25	8cu	10cu	8cu	8.7	2w	2sw	2sw	,,	
26	10cu-ni	6cu	2cu	6.0	2sw	1sw	1sw	slight	
27	10cu	10cu	10cu	10.0	1sw	1sw	1sw	,,	
28	9cu	10cu	10cu	9.7	1se	1se	1se	light	
29	5cu	5cu	10cu-ni	6.7	3sw	4sw	4sw	mod	
30	10cu-ni	10cu-ni	10cu	10.0	4sw	5sw	4sw	,,	
31	3cu	2cu	0	1.7	1se	1nw	0	light	
				5.02					

* Abbreviations :— G = gale; H = haze; M = mist ; T = thunderstorm ; D = dew. W = strong wind; Tr = trace of rain

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	0	3	0	10	1	12	2	2	1	31
14:30	3	5	0	1	0	15	1	6	0	31
20:30	1	4	0	1	0	16	1	2	6	31
Total	4	12	0	12	1	43	4	10	7	93

Number of days with rain 21, fog 0, thunderstorms 0, gale 0.

71 yr. av. number of days with rain during month 10.76